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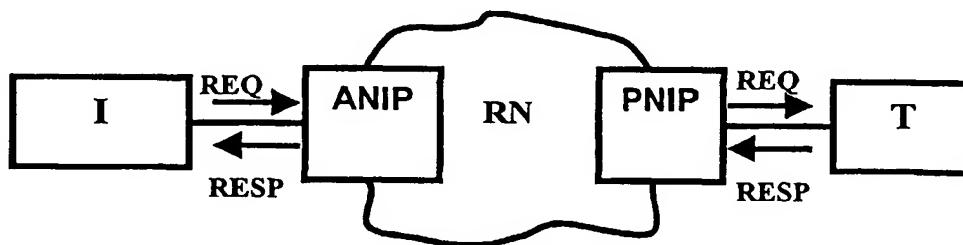
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(54) Title: **INTEGRATED CIRCUIT AND METHOD FOR ESTABLISHING TRANSACTIONS**



(57) Abstract: An integrated circuit comprising a plurality of processing modules (M; I; S; T) and a network (N; RN) arranged for providing at least one connection between a first and at least one second module is provided. Said connections comprises a set of communication channels each having a set of connection properties. Said connection supports transactions comprising outgoing messages from the first module to the second module and return messages from the second module to the first module. The connection properties of the different communication channels of said connection can be adjusted independently. Therefore, the utilization of the resources of a network on chip is more efficient, since the connection between modules can be efficiently adapted to their actual requirement, such that the connection is not over dimensioned and unused network resources can be assigned to other connections.

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